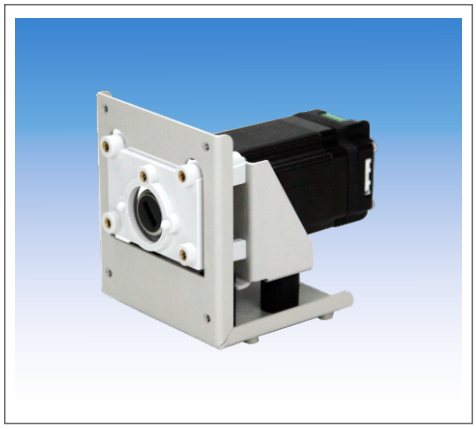
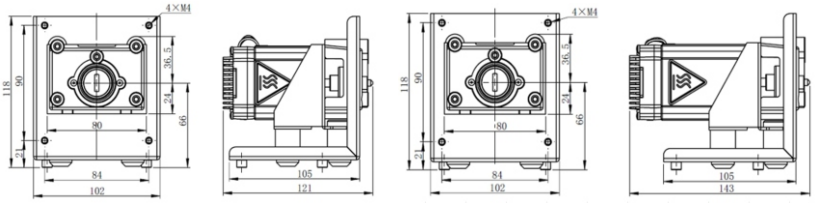
# OEM Variable Speed Peristaltic Pump

## SE02 Series with Integrated Driver



- Compact size and structure, utilizing a NEMA 23 stepper motor with an integrated driver
- Control the pump through digital signals, analog signals and pulse signals.
- Compatible with various peristaltic pump heads with a wide flow range.



T100 T300/T600

| | T100-SE02-01 | T300-SE02-01 | T600-SE02-01 |
|---|---|---|---|
| Pump Speed | 0-100rpm | 0-300rpm | 0-600rpm |
| Speed resolution | 0.1rpm | 1rpm | 1rpm |
| Running direction control | Pump running direction is controlled by a switch signal (dry contact signal). The trigger mode can be configured via communication commands to either level trigger or pulse trigger. Factory default setting: level trigger mode, contact open for clockwise, contact closed for counterclockwise. | | |
| Start/stop control | Start/stop is controlled by a switch signal (dry contact signal). The trigger mode can be configured via communication commands to either level trigger or pulse trigger. Factory default setting: level trigger mode, contact open for start, contact closed for stop. | | |
| DIP switch setting for pump speed | The DIP switch can set the pump speed to 0-100rpm, and each DIP position corresponds to a step of 5rpm. | The DIP switch can set the pump speed to 0-300rpm, and each DIP position corresponds to a step of 10rpm. | The DIP switch can set the pump speed to 0-600rpm, and each DIP position corresponds to a step of 20rpm. |
| External signal for pump speed | The pump speed will be proportional to the external speed signal: 4-20mA, 0-5V, 0-10V, 0-10kHz. The relationship between the signal range and speed range can be configured through communication commands. | | |
| Output | DC5V 100mA | | |
| Power supply | DC24V/15W | DC24V/45W | DC24V/55W |
| Dimensions(L*W*H) | 121*102*118mm | 143*102*118mm | |
| Mounting method | Panel mount or soleplate mount | | |
| Working condition | Temperature: 0°C-40°C, relative humidity＜80% | | |
| Weight(without pump head) | 1.29kg | 1.61kg | |

| Pump Head | Tubings | Max Flow Rate(mL/min) T100-SC02-01 | Max Flow Rate(mL/min) T300-SC02-01 | Max Flow Rate(mL/min) T300-SC02-01 |
|---|---|---|---|---|
| YZ1515X,YZII15 | 13#,14#,19#,16#,25#,17#,18# | 380 | 1100 | 2200 |
| YZ2515X | 15#,24# | 270 | 800 | 1600 |
| YZII25 | 15#,24#,35#,36# | 500 | 1500 | 3000 |
| FG15-13 | 13#,14#,19#,16#,25#,17#,18# | 430 | 1200 | 2400 |
| FG25-13 | 15#,24# | 320 | 1100 | 2200 |
| DMD15-13-B DMD15-13-D | 2x13#,2x14#,2x19#,2x16#,2x25# | 375 | 1035 | 2070 |
| BZ15-13-A | 14# | 22 | 75 | 150 |
| BZ15-13-B | 16# | 80 | 230 | 460 |
| BZ15-14-C | 25# | 150 | 480 | 960 |
| BZ15-14-D | 17# | 270 | 800 | 1600 |
| BZ25-13-B | 24# | 250 | 800 | 1600 |
| DG15-24 | 16#,25#,17# | 300(Single Channel) | 900(Single Channel) | 1800(Single Channel) |
| DG15-28 | 13#,14# ID≤3.17mm W.T. 0.8-1mm | 75(Single Channel) | Not Recommended | Not Recommended |
| DG-(1,2,4,6,8) 6 rollers | ID≤3.17mm W.T. 0.8-1mm | 48(Single Channel) | Not Recommended | Not Recommended |
| DG-(1,2,4) 10 rollers | ID≤3.17mm W.T. 0.8-1mm | 32(Single Channel) | Not Recommended | Not Recommended |
| BPH01 | 13#, 14#, 19#, 16#, 25# | 80 | 240 | 530 |